

# WASHINGTON STATE DEPARTMENT OF ENTERPRISE SERVICES

2021-809 ON-CALL SURVEY CONSULTANTS

MARCH 25, 2021

kpff 60 YEARS

612 Woodland Square Loop SE,  
Suite 100  
Lacey, WA 98503  
[www.kpff.com](http://www.kpff.com)

CONTACT  
Jereme Chapman, PLS  
360.292.7230  
[jereme.chapman@kpff.com](mailto:jereme.chapman@kpff.com)

MARCH 25, 2021

DEAR MR. BEDLINGTON AND MEMBERS OF THE SELECTION COMMITTEE:

ATTENTION:

Chad Bedlington, Project Manager  
Department of Enterprise Services  
1500 Jefferson  
PO Box 41476  
Olympia, WA 98504

SUBJECT:

Statement of Qualifications  
2021-809 On-Call Survey Consultants

CONTACT:

Jereme Chapman, PLS  
Principal/Survey Manager  
360.292.7230  
jereme.chapman@kpff.com

KPFF Consulting Engineers  
612 Woodland Square Loop SE,  
Suite 100  
Lacey, WA 98503  
www.kpff.com

My name is Jereme Chapman. I manage the land surveying group for KPFF located in Lacey, Washington. My staff and I are excited to continue our relationship with Washington State Department of Enterprise Services (DES) through this contract. Please find our attached Statement of Qualifications for your 2021-809 On-Call Survey Consultants contract to provide highly-responsive surveying services.

KPFF possesses the skillsets and has the appropriate team in place to successfully deliver your on-call projects. Our purpose and vision within our office is to provide experiences that have a lasting positive impact on our people, clients, and community. DES contracts give us a unique opportunity to deliver on all of those aspects. It is for this reason that we are eager to continue our commitment to provide quality service.

Our teams experience with topographic design surveys, boundary surveys, chain of title research/ title analysis, ALTA/NSPS land title surveys, and right-of-way and property acquisitions give us the experience and skills to effectively perform the task order that this on-call contract will generate.

The scope of services as outlined will be managed by KPFF, out of the Lacey location. We have the skills and capabilities, as well as the passion, to make each project successful. We will demonstrate this throughout our Statement of Qualifications. Our experience and continued success with these projects gives us the confidence that we can meet DES's expectations.

I will be your point of contact during this professional land surveying contract. I look forward to your review of our qualifications and welcome any questions you may have. If you would like discuss our credentials, please contact me at (360) 292-7230 or jereme.chapman@kpff.com.

Sincerely,



Jereme Chapman, PLS  
Principal/Survey Manager

\*KPFF acknowledges Amendment #1, dated March 10, 2021.



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VISION STATEMENT

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PROVIDE EXPERIENCES THAT CREATE A LASTING POSITIVE IMPACT ON OUR PEOPLE, CLIENTS, AND COMMUNITY.



**STATE OF WASHINGTON**  
**DEPARTMENT OF ENTERPRISE SERVICES**

*1500 Jefferson St. SE, Olympia, WA 98501  
PO Box 41476, Olympia, WA 98504-1476*

**Designated Point of Contact for Statement of Qualifications**

Point of Contact Name and Title Jereme Chapman, PLS, Principal		
Firm Name KPFF Consulting Engineers (In-House Survey)		
Address 612 Woodland Square Loop SE, Suite 100		
City Lacey	509.289.2300	State WA Zip 98503
Telephone 360.292.7230	Email jereme.chapman@kpff.com	

**Addresses of multiple office locations of firm (if applicable)**

Address 111 SW Fifth Avenue, Suite 2600 (In-House Survey)	
City Portland, OR	Phone 503.542.3860
Address 421 W. Riverside Avenue, Suite 902	
City Spokane	Phone 509.289.2300
Address 1601 5th Avenue, Suite 1600	
City Seattle	Phone 206.622.5822
Address 2407 N 31st Street	
City Tacoma	Phone 253.396.0150

**Diverse Business Certifications (if applicable)**

***Certification issued by the Washington State Office of Minority and Women's Business Enterprise (OMWBE)***

- ☐ Minority Business Enterprise (MBE)
- ☐ Woman Business Enterprise (WBE)
- ☐ Minority Women Business Enterprise (MWBE)

***Certification issued through the Washington State Department of Veteran's Affairs***

- ☐ Veteran Owned Business

***Certification issued through Washington Electronic Business Solution (WEBS)***

- ☐ Small Business Enterprise (SBE)

# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME KPFF, Inc. (dba KPFF Consulting Engineers) - Lacey, WA			3. YEAR ESTABLISHED 2006	4. UNIQUE ENTITY IDENTIFIER 91-0755897
2b. STREET 612 Woodland Square Loop SE, Ste 100			5. OWNERSHIP	
2c. CITY Lacey	2d. STATE WA	2e. ZIP CODE 98503-1043	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Jereme Chapman, PLS, Principal			b. SMALL BUSINESS STATUS n/a	
6b. TELEPHONE NUMBER 360.292.7230		6c. E-MAIL ADDRESS jereme.chapman@kpff.com		
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

(1) Albert Kelly and Associates (2) Kelly and Pittelko  
(3) Kelly, Pittelko, Fritz and Forrssen (4) KPFF Consulting Engineers, Inc.

(1) 1960 (2) 1962  
(3) 1964 (4) 1976  
1960

042477729

### 9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. Number of Employees	
		(1) FIRM	(2) BRANCH
02	Administrative	149	4
07	Biologist	2	1
08	CADD Technician	137	1
12	Civil Engineer	274	9
14	Computer Programmer	1	-
15	Construction Inspector	2	-
16	Construction Manager	9	-
38	Land Surveyor	51	10
42	Mechanical Engineer	11	-
43	Mining Engineer	1	-
47	Planner: Urban / Regional	1	-
48	Project Manager	16	6
57	Structural Engineer	539	-
60	Transportation Engineer	33	-
	Other Employees		
<b>Total</b>		1226	31

### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A06	Airports; Terminals and Hangars;	6
B02	Bridges	7
C10	Commercial Building (low rise); Sh	8
C15	Construction Management	6
D04	Design-Build - Preparation of Req	6
E02	Educational Facilities; Classrooms	8
E06	Embassies and Chanceries	6
G01	Garages; Vehicle Maintenance Fa	6
H01	Harbors; Jetties; Piers, Ship Termi	7
H06	Highrise; Air-Rights-Type Buildings	6
H07	Highways; Streets; Airfield Paving;	7
H09	Hospital & Medical Facilities	8
H10	Hotels; Motels	6
H11	Housing (Residential, Multi-Family;	8
I01	Industrial Buildings; Manufacturing	8
O01	Office Buildings; Industrial Parks	8
R04	Recreation Facilities (Parks, Marin	6
R06	Rehabilitation (Buildings; Structure	5
S09	Structural Design; Special Structur	6
T03	Traffic & Transportation Engineeri	7
U03	Utilities (Gas and Steam)	5
W01	Warehouse and Depots	5

### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

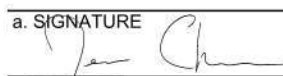
a. Federal Work	7
b. Non-Federal Work	10
c. Total Work	10

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- |   |   |
|---|---|
| 1. Less than \$100,000                  | 6. \$2 million to less than \$5 million   |
| 2. \$100,000 to less than \$250,000     | 7. \$5 million to less than \$10 million  |
| 3. \$250,000 to less than \$500,000     | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million   | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater               |

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 03-20-2021
c. NAME AND TITLE Jereme Chapman, PLS, Principal	

# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME KPFF, Inc. (dba KPFF Consulting Engineers) - Portland, OR			3. YEAR ESTABLISHED 1974	4. UNIQUE ENTITY IDENTIFIER 068772284
2b. STREET 111 SW Fifth Avenue, Suite 2600			5. OWNERSHIP	
2c. CITY Portland	2d. STATE OR	2e. ZIP CODE 97204	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Matthew J. Dolan, PE, Managing Principal, Portland Civil + Survey			b. SMALL BUSINESS STATUS N/A	
6b. TELEPHONE NUMBER (503) 542-3860		6c. E-MAIL ADDRESS matt.dolan@kpff.com		7. NAME OF FIRM (If Block 2a is a Branch Office) KPFF Consulting Engineers


8a. FORMER FIRM NAME(S) (If any) (1) Albert Kelly and Associates (2) Kelly and Pittelko (3) Kelly Pittelko Fritz and Forssen (4) KPFF Consulting Engineers	8b. YEAR ESTABLISHED 1960	8c. UNIQUE ENTITY IDENTIFIER 042477729
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9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	149	21	A06	Airports, Terminals and Hangars	6
07	Biologist	2	1	B02	Bridges	7
08	CADD Technician	137	17	C10	Commercial Building (low rise)	8
12	Civil Engineer	274	57	C15	Construction Management	6
14	Computer Programmer	1	0	D04	DB - Preparation of Req	6
15	Construction Inspector	2	2	E02	Educational Facilities, Classrooms	8
16	Construction Manager	9	0	E06	Embassies and Chanceries	6
38	Land Surveyor	51	16	G01	Garages, Vehicle Mainten. Fac.	6
42	Mechanical Engineer	11	0	H01	Harbors, Jetties, Piers, Terminals	7
43	Mining Engineer	1	1	H06	Highrise, Air-Rights-Type Building	6
47	Planner: Urban/Regional	1	0	H07	Highways, Streets, Airfield Paving	7
48	Project Manager*	16	0	H09	Hospital & Medical Facilities	8
57	Structural Engineer	539	76	H10	Hotels, Motels	6
60	Transportation Engineer	33	0	H11	Housing (residential, multi-family)	8
				I01	Industrial Buildings, Manufacturing	8
				O01	Office Buildings, Industrial Parks	8
				R04	Rec. Facilities (parks, marinas)	6
				R06	Rehabilitation (buildings, struct.)	5
				S09	Structural Design	6
				T03	Traffic and Transportation Eng.	7
				U03	Utilities (Gas and Stream)	5
	Other Employees			W01	Warehouse and Depots	5
Total		1,226	191			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	7	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE February 23, 2021
c. NAME AND TITLE Matthew J. Dolan, PE, Managing Principal	

# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME KPFF, Inc.			3. YEAR ESTABLISHED 1963	4. UNIQUE ENTITY IDENTIFIER 91-0755897
2b. STREET 1601 Fifth Ave, Ste 1600			5. OWNERSHIP	
2c. CITY Seattle	2d. STATE WA	2e. ZIP CODE 98106	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Ron Leimkuhler, PE, Principal			b. SMALL BUSINESS STATUS n/a	
6b. TELEPHONE NUMBER (206) 926-0525			7. NAME OF FIRM (If Block 2a is a Branch Office) KPFF, Inc.	
6c. E-MAIL ADDRESS ron.leimkuhler@kpff.com				


8a. FORMER FIRM NAME(S) (If any)	8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
(1) Albert Kelly and Associates (2) Kelly and Pittelko (3) Kelly, Pittelko, Fritz and Forssen (4) KPFF Consulting Engineers, Inc.	(1) 1960 (2) 1962 (3) 1964 (4) 1976	n/a

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	149	36	A06	Airports; Terminals and Hangars;	6
07	Biologist	2		B02	Bridges	7
08	CADD Technician	137	38	C10	Commercial Building (low rise); Sh	8
12	Civil Engineer	274	60	C15	Construction Management	6
14	Computer Programmer	1		D04	Design-Build - Preparation of Req	6
15	Construction Inspector	2		E02	Educational Facilities; Classrooms	8
16	Construction Manager	9		E06	Embassies and Chanceries	6
38	Land Surveyor	51		G01	Garages; Vehicle Maintenance Fa	6
42	Mechanical Engineer	11	1	H01	Harbors; Jetties; Piers, Ship Termi	7
43	Mining Engineer	1		H06	Highrise; Air-Rights-Type Buildings	6
47	Planner: Urban / Regional	1	1	H07	Highways; Streets; Airfield Paving;	7
48	Project Manager	16	4	H09	Hospital & Medical Facilities	8
57	Structural Engineer	539	117	H10	Hotels; Motels	6
60	Transportation Engineer	33	33	H11	Housing (Residential, Multi-Family;	8
				I01	Industrial Buildings; Manufacturing	8
				O01	Office Buildings; Industrial Parks	8
				R04	Recreation Facilities (Parks, Marin	6
				R06	Rehabilitation (Buildings; Structure	5
				S09	Structural Design; Special Structur	6
				T03	Traffic & Transportation Engineeri	7
				U03	Utilities (Gas and Steam)	5
	Other Employees			W01	Warehouse and Depots	5
Total		1226	290			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	7	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3/25/2021
c. NAME AND TITLE Ron Leimkuhler, PE, Principal	



# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME KPFF, Inc.			3. YEAR ESTABLISHED 1963	4. UNIQUE ENTITY IDENTIFIER 91-0755897
2b. STREET 421 W. Riverside Ave, Suite 902			5. OWNERSHIP	
2c. CITY Spokane	2d. STATE WA	2e. ZIP CODE 99201	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Mark Brower, PE, Spokane Office/Inland NW Operations Lead, Assoc./Sr PM			b. SMALL BUSINESS STATUS n/a	
6b. TELEPHONE NUMBER (509) 289-2300			7. NAME OF FIRM (If Block 2a is a Branch Office) KPFF, Inc.	
6c. E-MAIL ADDRESS mark.brower@kpff.com				


8a. FORMER FIRM NAME(S) (If any) (1) Albert Kelly and Associates (2) Kelly and Pittelko (3) Kelly, Pittelko, Fritz and Forssen (4) KPFF Consulting Engineers, Inc.	8b. YEAR ESTABLISHED (1) 1960 (2) 1962 (3) 1964 (4) 1976	8c. UNIQUE ENTITY IDENTIFIER n/a
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9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	149		A06	Airports; Terminals and Hangars;	6
07	Biologist	2		B02	Bridges	7
08	CADD Technician	137		C10	Commercial Building (low rise); Sh	8
12	Civil Engineer	274	2	C15	Construction Management	6
14	Computer Programmer	1		D04	Design-Build - Preparation of Req	6
15	Construction Inspector	2		E02	Educational Facilities; Classrooms	8
16	Construction Manager	9		E06	Embassies and Chanceries	6
38	Land Surveyor	51		G01	Garages; Vehicle Maintenance Fa	6
42	Mechanical Engineer	11		H01	Harbors; Jetties; Piers, Ship Termi	7
43	Mining Engineer	1		H06	Highrise; Air-Rights-Type Buildings	6
47	Planner: Urban / Regional	1		H07	Highways; Streets; Airfield Paving;	7
48	Project Manager	16		H09	Hospital & Medical Facilities	8
57	Structural Engineer	539	3	H10	Hotels; Motels	6
60	Transportation Engineer	33		H11	Housing (Residential, Multi-Family;	8
				I01	Industrial Buildings; Manufacturing	8
				O01	Office Buildings; Industrial Parks	8
				R04	Recreation Facilities (Parks, Marin	6
				R06	Rehabilitation (Buildings; Structure	5
				S09	Structural Design; Special Structur	6
				T03	Traffic & Transportation Engineeri	7
				U03	Utilities (Gas and Steam)	5
				W01	Warehouse and Depots	5
<b>Total</b>		1226	5			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	7	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

## 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 3/25/2021
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c. NAME AND TITLE  
Mark Brower, PE, Spokane Office/Inland NW Operations Lead  
Associate/Senior Project Manager

# B • FIRM INTRODUCTION

## COMPANY INFORMATION

KPFF has an experienced and skilled staff, as well as the resources, to take on projects of all sizes and deliver on the most constrained schedules. The firm is currently comprised of over 1,296 professionals, including 44 land surveyors between our Lacey and Portland offices. The Lacey office, which houses our Washington survey department, has 31 employees, including 9 land surveyors, with 2 Professional Land Surveyors. Our offices work together in collaborative ways to promote innovation and progress in our professional practice. We have successfully leveraged our size and the innovative spirit of our people to develop a staff of professionals required to accomplish projects of all sizes, budgets, and schedules.

KPFF brings more than great technical qualifications and resources to the table when we join a team; our most valuable attributes are the people who make up our firm. The collective talents and ingenuity of our employees give us the capability to transform problems into solutions and look beyond simple requirements to create opportunities for excellence in design, constructability, and exceeding performance goals. The cornerstone of our philosophy is the freedom of individuals to seek creative and economic solutions for our client's needs, and to participate as a team member in exploring the broader issues involved in projects today.

## FIRM HISTORY

Founded in Seattle in 1960, KPFF Consulting Engineers has been continuously engaged in the practice of professional engineering for over 60 years. KPFF provides surveying services to government agencies, developers, architects, and contractors for Diverse projects. We are experts in a wide variety of building types, and have achieved many engineering firsts. KPFF has offices in 22 cities across the United States.



## DIVERSE BUSINESS PARTICIPATION

Our staff is committed to meaningful participation in the Diverse Business Participation program. We regularly seek to partner with MBE, DBE, WBE, and small businesses to mentor these firms with developing the specialized expertise necessary to deliver successful projects. Without reservation, KPFF uses qualified professional service and supply firms that utilize women, minorities, disadvantaged individuals, veterans, and small business owners in the completion of projects with multi-disciplinary teams.

KPFF is an Equal Employment Opportunity employer. All employees have the right to work in a discrimination-free environment. KPFF does not permit or condone any arbitrary discrimination in the workplace. It is our policy that all employment decisions will be made without regard to race, color, sex, creed, religion, age, marital status, national origin, disability, sexual orientation, veteran status, or any other basis prohibited by State, local, or Federal laws. Anyone with a protected disability will be reasonably accommodated as appropriate.

## STRATEGIES & APPROACHES TO SUPPORT DES

1. Identify Work Areas for Potential Subconsultants- review scope of work and identify tasks for potential team members.
2. Outreach – reach out to potential firms utilizing past relationships, referrals, networking events, and registration on the Washington's Electronic Business Solutions Application (WEBS).
3. Research – consult state OMWBE website, agency database, CPOutlook.
4. Select Qualified Teaming Partners – discuss options select qualified firms.

Our diverse business participation is best demonstrated by our history of reaching out to, and working with these firms on multiple previous projects. [Complete KPFF Business Inclusion Plan is available upon request.](#)

## proposed project ORGANIZATION | survey



### KPFF CONSULTING ENGINEERS

Work will be performed at:  
612 Woodland Square Loop SE, Suite 100  
Lacey, WA 98503

### JEREME CHAPMAN, PLS

Principal • Survey Manager

### THOMAS J. SWIFT, PLS

Senior Project Surveyor

### SCOTT CARD

Project Surveyor

### SCOTT SPIRO, LSIT

Project Surveyor

### FIELD CREWS

5 Crew Chiefs

### KPFF PORTLAND OFFICE

### TROY TETSUKA, PLS

Portland Survey Manager

### JOHN DAVIS, PLS

Portland Project Surveyor



# C • QUALIFICATIONS OF KEY PERSONNEL



**Jereme Chapman, PLS**

**PRINCIPAL • PROJECT MANAGER, LACEY**

Registration  
Professional Land Surveyor, Washington,  
#45779

## References

A. D'Andra Buchanan, PE,  
Civil Engineer  
City of Lakewood  
Public Works  
253.983.7820  
253.365.4711

Zachary Evans, PE,  
Capital Project Manager II  
City of Shoreline  
Public Works  
206.801.2428  
zevans@shorelinewa.gov

Christian LaRocco,  
Partner  
MJR Development  
206.255.0586  
christian@mjrdevelopment.com

Jereme is a Professional Land Surveyor and serves as the Survey Manager. He has been with KPFF since 2007 and has 20 years of experience in the land surveying profession. As Survey Manager, he will serve as the direct contact for client correspondence. Jereme coordinates with staff to establish field and drafting standards, and provides oversight to staff on KPFF projects. Jereme has a long history of successfully conducting numerous surveying projects with public agencies, performing topographic and boundary surveys of proposed alignments to support engineers during design phase of the project. Additional surveying services include land acquisitions and document preparation, and control and construction surveying experience including ALTA, base mapping, utility locating and investigations, chain of title research/title analysis, legal descriptions/easements/parcels/right-of-way acquisitions, construction staking, and GPS surveys.

## Selected Project Experience:

On-Call: Washington State Department of Enterprise Services 2015-2021, Statewide  
On-Call: The Evergreen State College 2007-2021, Thurston County  
On-Call: City of Lake Stevens  
On-Call: City of Sumner  
On-Call: City of Shelton Surveying Services  
On-Call: Washington State Parks & Recreation, SW Division  
On-Call: Port of Seattle IDIQ (includes survey)  
On-Call: King County Housing Authority, Various Statewide  
State of Washington Department Corrections, Various Statewide  
Department of Ecology (DOE) Headquarters Electrical Upgrades Survey and Boundary Line Adjustment, Lacey  
DLR Group Architects, Green Hill Birch Cottage Renovation Survey & Construction Staking, Chehalis  
WSDOT Olympic Region Headquarters  
Score- Port of Seattle Jails, Various Survey Projects, King County  
Shelton School District, Package A, B, C, & D Topographic Survey (8 Projects)  
South Seattle Community College Automotive Expansion, Topographic Survey  
Washington Corrections Center Utilidor Repair, Topographic Survey  
Big Bend Community College Replacement of Road, Topographic Survey  
North Thorne Lane Sewer Upgrade, Topographic & Boundary Basemapping, Lakewood  
UTC at 621 Woodland Square District, MJR Development, Lacey  
South Sound Behavioral Hospital, Topographic Survey, Lacey  
Corrections Center for Women Perimeter Upgrade Survey of Locates, Gig Harbor  
Highline Community College, Building 26 Topographic and Utility Survey, Des Moines  
South Seattle Community College, Boundary and Topographic Survey  
Seattle Central College, Surveying Services  
Tacoma Community College, Building Deflection As-Built Survey  
University of Washington, Tacoma Campus Topographic and Boundary Survey  
Washington State Department of Natural Resources

## C • QUALIFICATIONS OF KEY PERSONNEL



**Thomas J. Swift, PLS**

**SENIOR PROJECT SURVEYOR, LACEY**

**Education**

Coursework in Civil Engineering, University of Washington

**Registration**

Professional Land Surveyor, Washington, #38489

Tom is a Professional Land Surveyor and serves as the Senior Project Surveyor for KPFF. He brings over 26 years of experience throughout Washington State with boundary and topographic surveys, mapping, ALTA surveys, legal descriptions and land title analysis, construction staking, property line staking, and monument documentation and replacement. Tom's passion and expertise is in surveys, which provide boundary and right-of-way determination, title analysis, chain of title research, and parcel base mapping. His desire for this work is an asset to projects which require the standard of care and attention to detail that Tom maintains in his work.

**Selected Project Experience:**

On-Call: Washington State Department of Enterprise Services 2015-2021, Statewide

On-Call: The Evergreen State College 2007-2021, Thurston County

On-Call: City of Lake Stevens

On-Call: City of Sumner

On-Call: City of Shelton Surveying Services

On-Call: Washington State Parks & Recreation, SW Division

On-Call: Port of Seattle IDIQ (includes survey)

On-Call: King County Housing Authority, Various Statewide

State of Washington Department Corrections, Various Statewide

DLR Group Architects, Green Hill Birch Cottage Renovation Survey & Construction Staking, Chehalis

WSDOT Olympic Region Headquarters

Shelton School District, Package A, B, C, & D Topographic Survey (8 Projects)

South Seattle Community College Automotive Expansion, Topographic Survey

Washington Corrections Center Utilidor Repair, Topographic Survey

Score- Port of Seattle Jails, Various Survey Projects, King County

Big Bend Community College Replacement of Road, Topographic Survey

North Thorne Lane Sewer Upgrade, Topographic & Boundary Basemapping, Lakewood

UTC at 621 Woodland Square District, MJR Development, Lacey

South Sound Behavioral Hospital, Topographic Survey, Lacey

Corrections Center for Women Perimeter Upgrade Survey of Locates, Gig Harbor

Highline Community College, Building 26 Topographic and Utility Survey, Des Moines

South Seattle Community College, Boundary and Topographic Survey

Seattle Central College, Surveying Services

Tacoma Community College, Building Deflection As-Built Survey

University of Washington, Tacoma Campus Topographic and Boundary Survey

Capitol Campus Utility Mapping, Olympia

Grays Harbor County Wishkah Road Cedar Creek Bridge Replacement

Washington State Department of Natural Resources

Puyallup Tribe of Indians, Various Projects

# C • QUALIFICATIONS OF KEY PERSONNEL



## Scott Card

### PROJECT SURVEYOR, LACEY

Scott Card joined KPFF in 2014 as a Crew Chief and now serves as Project Surveyor. He brings over 10 years of experience in field and office surveying, as well as a wide variety of skill sets to KPFF. Scott's role within the KPFF office is to provide technical support to field crews and drafting staff, and serve as project surveyor on various projects. Scott is in-tune with project needs, workload, and manpower availability, and assists with scoping, scheduling, and oversight of schedules on projects. Scott provides versatility to our survey department, and allows us to respond to urgent projects quickly with his ability to take on tasks in both the field and office.

#### Selected Project Experience:

- On-Call: Washington State Department of Enterprise Services 2015-2021, Statewide
- On-Call: The Evergreen State College 2007-2021, Thurston County
- On-Call: City of Lake Stevens
- On-Call: City of Kenmore
- On-Call: City of Sumner
- State of Washington Department Corrections, Various Statewide
- WSDOT Olympic Region Headquarters
- DLR Group Architects, Green Hill Birch Cottage Renovation Survey & Construction Staking, Chehalis
- Cascade Behavioral Hospital Topographic Survey, Tukwila
- Shelton School District, Package A, B, & C Topographic Survey
- MJR Development, Woodland Square Loop Topographic Survey, Lacey
- Boeing, Parking Lot Pedestrian Access Survey, Everett



## Scott Spiro, LSIT

### PROJECT SURVEYOR, LACEY

Certification: Land Surveyor-in-Training

Scott joined KPFF in 2017 and serves as a Project Surveyor. He has over 20 years of experience in the Land Surveying profession, having begun his career in 1989 working with his father in the field in California. He is continuing what is now a family passion for the work, and has worked in California, Oregon, and Washington. Scott's roles within the KPFF office include (topographic mapping, construction staking setup, and boundary and title analysis) just to name a few. He contributes to both field and office work and provides versatility and professionalism at every job. Scott's many years in the profession allows for quick thinking and a true ability to problem-solve.

#### Selected Project Experience:

- On-Call: Washington State Department of Enterprise Services 2015-2021, Statewide
- On-Call: The Evergreen State College 2007-2021, Thurston County
- On-Call: City of Lake Stevens
- On-Call: City of Kenmore
- On-Call: City of Sumner
- State of Washington Department Corrections, Various Statewide
- WSDOT, Olympic Region Headquarters
- UTC at 621 Woodland Square District, MJR Development, Lacey
- South Sound Behavioral Hospital, Topographic Survey, Lacey
- DLR Group Architects, Green Hill Birch Cottage Renovation Survey & Construction Staking, Chehalis
- Kent MultiCare, Boundary Line Adjustment
- Shelton School District, Package A, B, C, & D Topographic Survey (8 Projects)
- South Seattle Community College, Automotive Expansion, Topographic Survey
- Big Bend Community College, Replacement of Road, Topographic Survey

# C • QUALIFICATIONS OF KEY PERSONNEL



## Troy Tetsuka, PLS/RPIC

### PRINCIPAL • SURVEY MANAGER, PORTLAND

Education: BS, Landscape Architecture, CA; State Polytechnic University, Pomona

Registration: Professional Land Surveyor, WA, OR, NV, CA UT; FAA Part 107 rPIC sUAS

Troy Tetsuka is a Principal and Survey Manager at KPFF. Over the past 33 years, Troy has led public and private sector projects of all types and sizes. He is adept at approaching land surveying as a piece of the puzzle within the scope of a larger project, and he believes that it is crucial to the success of a project to not only produce exceptional survey work but also an excellent customer service experience. Troy is involved in all phases of a project from base mapping and right-of-way/boundary resolution to construction staking. His educational background in the design field enables him to understand the importance of a complete and accurate product, exercising a thorough quality control process that includes maintaining surveying standards of practice throughout the life of the project.

#### Selected Project Experience:

On-Call: Port of Vancouver, Structural Engineering Services 2017-2019  
On-Call: Port of Tacoma, On-Call Services 2011-Present  
On-Call: Portland Community College, Land Surveying  
Oregon Department of Corrections, Junction City DOC Fill, Junction City  
U.S. General Services Administration, Laser Scanning Control and Monitoring, Federal Building, Seattle, WA  
U.S. National Administration, Laser Scanning Control, Pioneer Courthouse, Portland, OR  
University of Oregon, Various Projects  
University of Portland, Motorcycle Parking and Campus Connection with Riverfront  
University of Oregon, Casanova Center Expansion  
George Fox University, New Residence Hall, Newberg, OR  
City of Portland, Various Statewide, OR  
City of Lake Oswego, Various Statewide, OR  
Port of Seattle, Alaskan Way Mapping, 2015  
Oregon Department of Transportation, Various Statewide



## John Davis, PLS

### PROJECT SURVEYOR, PORTLAND

Education: AS, Land Surveying, Renton Technical College

Registration: Professional Land Surveyor, OR

John Davis is a Professional Land Surveyor with 19 years of experience. He manages survey crews for public and private sector projects and has led survey crews for numerous complex projects. Projects involve simultaneous management of several survey crews in multiple locations. When scheduling survey crews for projects, John works closely with his clients to ensure their needs are met. John has consistently and successfully managed various survey crews in multiple on-call project locations while maintaining clear communication with clients to ensure that work is completed on time and budget.

#### Selected Project Experience:

On-Call: Portland Development Commission, Engineering Services 2013-Present  
On-Call: Portland Water Bureau, Surveying Services 2013-Present  
On-Call: Portland Community College, Land Surveying 2009-Present  
On-Call: Metro, Planning, Landscape Design & Technical Services 2012-2015, Various, OR  
On-Call: Portland Community College, Land Surveying  
U.S. National Park Service, Yosemite National Park Curry Village surveying, Yosemite  
U.S. Department of State Overseas Building Operations, Vientiane, Laos  
University of Oregon, Various Projects  
Portland Parks & Recreation, On-Call Services (2008-present), Portland, OR  
Portland Parks & Recreation, Washington High School Redevelopment  
Portland State University, Peter Stott Center Renovation  
University of Oregon, Hatfield-Dowlin Football Performance Center, Eugene  
George Fox University, New Residence Hall, Newberg, OR



# C • QUALIFICATIONS OF KEY PERSONNEL

KPFF surveyor field crews have extensive experience conforming with jurisdictional requirements such as AutoCAD standards, horizontal control, and datum requirements. KPFF surveyors offer full-service surveying abilities providing research, document preparation, field work, calculations, and drafting and analysis. KPFF prides itself in our ability to meet the goals of our clients while earning the respect of all vested parties by being fair and listening to all aspects of the project. KPFF surveyors work with our engineers, engineers from other firms, contractors, and owners that they support on a daily basis. Whether they are scoping out project limits prior to performing the field work, assisting with horizontal/vertical control during design, or coordinating construction staking efforts, they are well versed in communicating their needs to the engineers and listening to the engineers needs to ensure a complete survey product. KPFF considers themselves an extension of the agency staff and share in the agency's commitment to complete projects on-time and within budget.

## SURVEY CREW CHIEFS



Brad Harmanson



Brett Ariss



Brandon Campbell



Andrew Kienast



Nick Leingang  
UAV Pilot

### Crew's Select Project Experience:

On-Call: Washington State Department of Enterprise Services 2015-2021, Statewide

On-Call: The Evergreen State College 2007-2021, Thurston County

On-Call: City of Lake Stevens

On-Call: City of Sumner

On-Call: City of Kenmore

On-Call: City of Shoreline

State of Washington Department Corrections, Various Statewide

WSDOT Olympic Region Headquarters

UTC at 621 Woodland Square District, MJR Development, Lacey

Washington Corrections Center Utilidor Repair, Topographic Survey

Big Bend Community College Replacement of Road, Topographic Survey

Department of Ecology (DOE) Headquarters Electrical Upgrades Survey & Boundary Line Adjustment

# D • GENERAL PROJECT APPROACH

## OVERALL CONTRACT MANAGEMENT

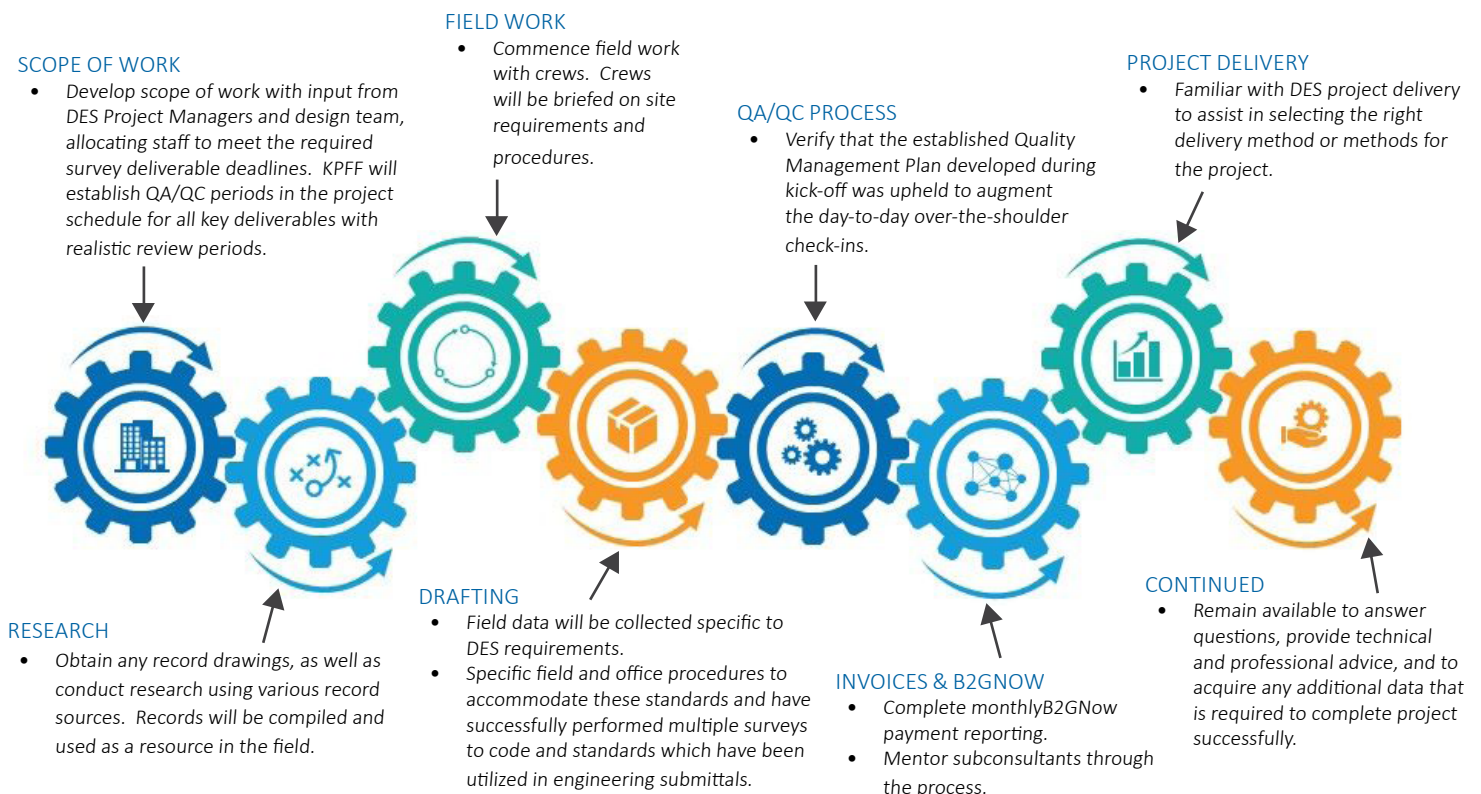
KPFF's business model and Jereme's management approach are based on the goal of building lasting, mutually beneficial relationships with our clients. We support this with a flat organizational structure that places responsibility and authority for project-related decisions directly with the project manager and team. The resulting organization is ideally suited to provide the quick, flexible response, and full coverage service needed under task order contracts. KPFF's general approach to each project is to begin with first understanding the client's needs, schedule, and projects goals. With this in mind, we can formulate a plan-of-action to meet each project milestone and ensure the project is a success. For your projects our aim is to provide excellent service, build lasting relationships with Project Managers, and establish a level of trust that enables open lines of communication. These simple, but often overlooked steps are the foundation for which successful projects and relationships are formed.

## TASK ORDER SCHEDULING

Jereme will develop a project schedule that will include the number of hours that each team member will spend on specific tasks. Our team tracks scope, schedule, and budget on a real-time basis to identify potential delays and overruns. Jereme will review all time charged to a project to ensure it is billed to the correct project and that the time charges correlates to the level of progress. Jereme will work with appropriate DES staff to make necessary adjustments immediately, as needed, avoiding negative impacts to the project. This practice, combined with our quality control procedures, serves as the foundation for effective cost control. Survey projects are often run with consolidated timelines from notice-to-proceed to delivery. Daily monitoring is crucial for keeping projects on task. KPFF adjusts survey efforts promptly when challenges arise or DES design team needs dictate scoping changes. We recognize that our clients expect a streamlined and efficient process, and we are committed to providing day-to-day involvement to meet those standards. KPFF is available to begin providing services upon notice-to-proceed, and each proposed individual has the availability to see DES projects through to completion. We currently operate four full-time crews with the ability and manpower to add a fifth crew on an as-needed basis.

## COMMUNICATION PLAN

Communication is the key to project success. KPFF is committed to establishing open lines of communication with DES Project Managers. Jereme will serve as your initial point of contact for your projects. He will strive to build working relationships with the Project Managers, and identify key team members from KPFF that will serve as point of contact in the event of his absence. These staff will be involved in the projects on a daily basis, and will provide a seamless transition in the correspondence with DES staff. KPFF has a wide variety of options for communicating with DES staff. Utilizing email and phone are the most common. We also encourage face-to-face meetings when necessary, and employ modern methods such as video conferencing through Start Meeting when the situation requires these tools. We utilize a secure internal FTP site for sharing and delivering of large files. DES staff will be kept up-to-date on project schedules, progress, and deliverable dates. Our goal is to provide DES staff with the most accurate information possible throughout project in order to allow your Project Manager to efficiently plan the next phases of your contract.



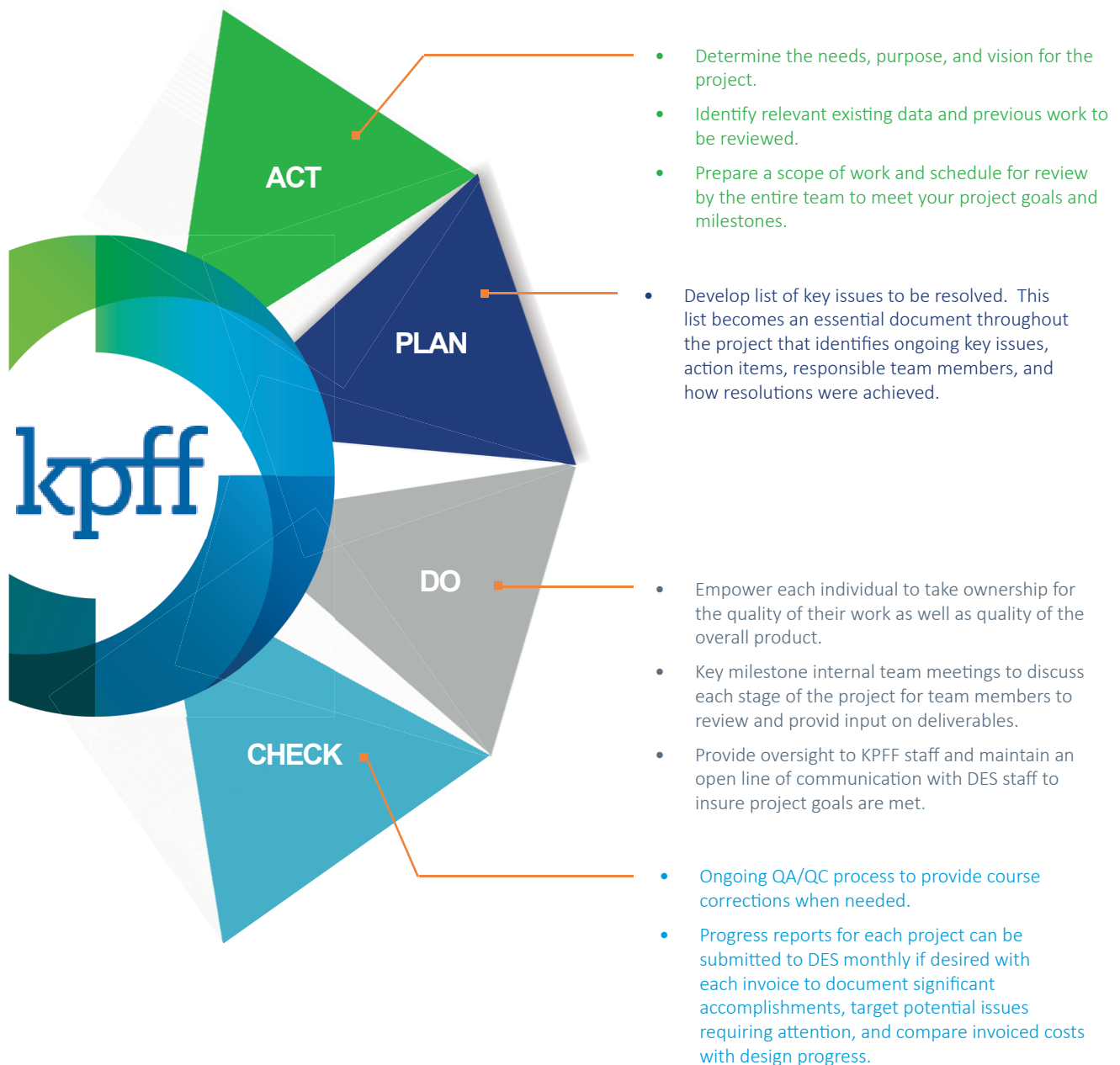


# E • QUALITY ASSURANCE & QUALITY CONTROL

## QUALITY ASSURANCE REVIEW RESPONSIBILITY

KPFF surveyors maintain a quality control program that requires consistent daily reporting and documentation of all project activities, routine supervision, and review of calculations for accuracy and completeness. This approach gives us the advantage to improve our products throughout the process, and provides course corrections when needed. We treat QA/QC as an on-going process and not just a set of reviews prior to delivery. We empower and encourage each employee to strive for perfection, by educating them on the importance of the quality of work that the client receives, to take pride in their work, and encourage each individual to ask themselves, “how can I make this project a success?”

As Survey Manager, Jereme Chapman will take ownership of your projects by becoming an extension of your staff, sharing your goals, and providing solutions to your challenges. Jereme has outlined the following tasks below as important pieces to the management of your projects:



## SCOPE OF SERVICES OVERVIEW

### ON-CALL EXPERIENCE

KPFF frequently provides on-call civil, structural, and surveying services for government agencies at short notice. We have an excellent understanding of State, Federal and local requirements, project development, surveying, design, specialized permitting, and the construction management processes. Over the years we have developed excellent working relationships through multiple on-call contracts with various government agencies. Our on-call contract experience gives us an unparalleled understanding of how to manage and complete these types of work orders. Our ability to effectively meet the demands of the on-call work-order process is demonstrated by our responsive service, proactive issue resolution, and realistic understanding of staff required for completing tasks. A few of our current State and Public Agency on-call clients are listed below:

- Washington State Department of Enterprise Services
- Washington State Department of Corrections
- Washington Parks and Recreation Commission
- Washington Department of Fish & Wildlife
- City of Lake Stevens Surveying
- City of Shelton Surveying
- City of Sumner
- City of Shoreline
- City of Lakewood Surveying
- City of Kenmore
- Thurston County
- The Evergreen State College
- Lewis County Drafting
- King County Housing Authority
- Port of Seattle IDIQ
- Grays Harbor Transit
- US Navy A/E IDIQ
- King County
- Intercity Transit
- WSDOT Statewide Transportation
- King County Trails, Bridge & Trestle

### DEPARTMENT OF ENTERPRISE SERVICES EXPERIENCE

KPFF is providing civil engineering design, surveying, permitting, and construction support services to various Statewide Washington clients. These projects have included prime project management, investigations and studies, assistance with Federal funding, emergency repairs, pre-design and final design, full PS&E packages, cost estimating, bidding and construction management. KPFF has successfully managed and delivered projects to our on-call contract clients because we recognize the need to be available and proactive to deal with a number of projects at the same time. We have the adequate staff within our firm that we are able to respond in a timely manner with experienced and knowledgeable staff. To date, KPFF has completed the following projects listed below:

#### Washington State Patrol

- Emergency Vehicle Operations Course Drive Paving Repairs
- Emergency Vehicle Operations Course Drive Skid Pan Pre-Design Study & Rebuild
- Marysville Fire & Water System
- Domestic & Fire System Upgrade

#### Department of Social & Health Services

- Western State Hospital, Sewer Flume Feasibility
- Western State Hospital, Pedestrian Improvements
- Yakima Valley School, Concrete Sidewalks & Handrails
- Newborn Screening East Wing Survey

#### Capitol Campus

- Sidewalk Repair & Restoration
- Sink Hole Repairs
- Old Capitol Elevator Repair
- Old Capitol UST Removal
- Legislative Campus Modernization Survey
- IBM Building Site
- Maple Park, Electrical Repairs
- Dolliver Fire Protection & Seismic Assessment

#### Department of Ecology

- Stormwater Cleaning System & Evaluation
- Headquarters Parking Lot Preservation

#### Labor & Industries

- Sump Pump Replacement
- Building Replacement

#### Cedar Creek Corrections Center, Reform Grant Modular Classroom

#### Larch Corrections Center, Reform Grant Modular Classroom

#### Mission Creek Corrections Center for Women

- Mailroom & Radio Tower Modular
- Butterfly Housing
- CI's Trades Related Apprenticeship Coaching Program
- Septic System Repair
- Firing Range Reclamation

#### Monroe Correctional Complex

- Firing Range Repair & Reclamation
- Security Camera Upgrades
- Power Modifications

#### Clallam Bay Corrections Center

- Access Road Culvert Replacement
- Video System
- Boiler Plant Replacement
- Lift Station Replacement
- Boiler & Infrastructure

#### Washington Corrections Center, Utilidor Repair

#### McNeil Island

- Vehicle Ferry Terminal Repair
- Fire Flow Testing
- Water System New Well Source & Treatment
- Water System Replacement

#### Higher Education Facilities

- South Seattle College, Automotive Expansion, Boundary
- Yakima Valley Community College, Parking Lot Resurfacing
- South Puget Sound Community College, Health & Wellness Center Survey
- Big Bend Community College, Replacement of Roadway

#### Intercity Transit, Olympia Transit Center Expansion Survey

#### Longview Work Release, Grease Trap Failure

## SCOPE OF SERVICES OVERVIEW

### CORRECTIONAL FACILITIES EXPERIENCE

KPFF has provided civil engineering services for more than 25 correctional facilities located throughout Washington State. We are aware of the unique requirements of correctional facilities – which often dictate special systems and site development features – and have the technical expertise to provide cost-effective design solutions that are well integrated with other building systems while providing a secure site. KPFF has successfully developed a strong supporting relationship with the Washington State Department of Corrections, and are called upon to assist in completing various civil-related projects at their institutional facilities throughout Washington State. KPFF has completed projects at the following facilities:

- Cedar Creek Corrections Center
- Clallam Bay Corrections Center
- Larch Corrections Center
- McNeil Island Corrections Center
- Mission Creek Corrections Center for Women
- Monroe Correctional Complex
- Olympic Corrections Center
- Washington Corrections Center
- Washington Corrections Center for Women
- Washington State Penitentiary

### HIGHER EDUCATION

KPFF provides on-call engineering services to Community Colleges and Universities all over the South Puget Sound area. We provide on-call project services, campus master planning, pre-designs, development of PS&E, surveying, and construction administration/management services. KPFF has provided planning, design, surveying, and construction support services to the following:

- Grays Harbor Community College
- Highline Community College
- Seattle Central Community College
- Seattle Pacific University
- Shoreline College
- South Puget Sound Community College
- South Seattle Community College
- The Evergreen State College
- University of Washington Seattle
- University of Washington Tacoma
- Washington State University
- Western Washington University

### INSTITUTIONAL EXPERIENCE

KPFF has worked on dozens of projects at institutional facilities for State, Federal, and local jurisdictions. We understand the unique and complex requirements that exist from security issues, some of which include dealing with older infrastructure that needs to remain, and maintaining operations at the facility during construction. KPFF has successfully worked at facilities across the entire State of Washington and we have gained the respect from the facility managers who are tasked with operating and maintaining the facilities. We regularly involve the Project Manager and Facility Manager in our design process so that we can meet the goals of the project within the project budget while completing the work in such a way to achieve longevity with as low of maintenance required as possible. These projects frequently involve occupied facilities and close coordination:

- Western State Hospital
- Woodinville Community Center
- Green Hill
- Echo Glen



## SCOPE OF SERVICES OVERVIEW

### SURVEYING SERVICES

Our entire Survey team takes great pride in the work we provide, and maintain strict standards to assure each client is receiving a quality product. We know design time is of the essence, and our surveying team will proceed quickly and efficiently on DES projects. Our key personnel were selected based on their technical expertise, availability to complete the anticipated scope of work, and commitment to seeing your projects through to completion. KPFF surveyors are available to begin working upon your notice-to-proceed, and communicate our schedule with DES Project Managers. The following is a brief outline of our services that fall under three main categories; topographic and design services, land acquisitions and document preparation, and control and construction surveying. Typical services include:

#### TOPOGRAPHIC & DESIGN SERVICES

- Topographic & Design Surveys
- As-Built Surveys
- Right-of-Way/Route Surveys
- Aerial Mapping Surveys/Photogrammetric Control Systems
- Site Monitoring/Environmental Mapping
- Laser Scanning
- Utility Locating & Investigations
- Unmanned Aerial Vehicle Drone Survey

#### LAND ACQUISITIONS & DOCUMENT PREPARATION

- Chain of Title Research/Title Analysis
- Boundary Surveys/Record of Survey
- ALTA/NSPS Land Title Surveys
- Legal Descriptions/Easements/Parcels/Right-of-Way Acquisitions

#### CONTROL & CONSTRUCTION SURVEYING

- Global Positioning System
- Construction Staking
- Control Surveys

Topographic Design Surveys	<ul style="list-style-type: none"> <li>• Design surveys on wide range of projects.</li> <li>• Developed systems and procedures transferring data from field to office.</li> <li>• Field data integrated into drafting process for accuracy and completeness.</li> </ul>
As-Built Surveys	<ul style="list-style-type: none"> <li>• Final step a surveyor will conduct on a project.</li> <li>• After the completion of a project, it is necessary to document the actual placement of infrastructure relative to its design location.</li> <li>• Commonly required for surveyors to perform an as-built topographic survey ranging from mapping installed utilities, to a full as-built survey of the entire project.</li> <li>• Information provided to the engineer-of-record for the preparation of final As-built Drawings to be provided to the local jurisdiction.</li> </ul>
Right-of-Way/Route Surveys	<ul style="list-style-type: none"> <li>• Proximity to WSDOT offices and State records is an advantage that increases efficiency on these surveys.</li> <li>• Familiar with WSDOT right-of-way mapping and plan preparation standards and the local agency guidelines for City and County projects.</li> <li>• Experience with determining existing right-of-way and acquisition of new right-of-way.</li> </ul>
Aerial Mapping Surveys / Photogrammetric Control Systems	<ul style="list-style-type: none"> <li>• Familiar with the different types of requirements for varying degrees of drawing scale and resolution.</li> <li>• Conduct aerial mapping control with various agencies and private projects.</li> <li>• Provide aerial targets with control on the Washington State Plane Coordinate System.</li> <li>• Projects delivered in CAD format with supplemental data.</li> </ul>
Site Monitoring / Environmental Mapping	<ul style="list-style-type: none"> <li>• Site monitoring methods utilize total stations and GPS equipment to obtain base line readings.</li> <li>• Subsequent points are collected and compiled to track point movement.</li> <li>• Standard mapping methods for locating wetland and other critical and environmental site features.</li> <li>• Coordinate with the project biologist to determine timing and ensure proper information on wetland class and buffers are correctly depicted.</li> </ul>
Laser Scanning	<ul style="list-style-type: none"> <li>• Acquired FARO 330X 3D laser scanner surveying technology.</li> <li>• Provides an enhanced array of rich topology to generate detailed point clouds for site design, building reconstruction, plant layout, and enhanced data presentation with augmented reality.</li> </ul>
Utility Locating & Investigations	<ul style="list-style-type: none"> <li>• Invested in Radio Detection 8000 equipment and training to establish utility locates for design.</li> <li>• Field crews can ensure accuracy and completeness</li> <li>• Ability to provide buried utilities that may be useful in design or determining pothole locations.</li> </ul>

## SCOPE OF SERVICES OVERVIEW

Unmanned Aerial Vehicle (UAV) Drone Survey	<ul style="list-style-type: none"> <li>Established a UAV surveying program.</li> <li>Potential cost-saving measures over conventional surveying methods.</li> <li>Process data in-house, which is exported to prepare AutoCAD drawings.</li> <li>FAA licensed UAV pilots on staff and all proper FAA registrations and insurance.</li> <li>Services rendered include aerial photography, aerial surveying and mapping, marketing video and photography, and site and infrastructure inspections using video.</li> </ul>
Chain-of-Title Research / Title Analysis	<ul style="list-style-type: none"> <li>Skilled at conducting chain-of-title research for properties with title errors or ambiguities.</li> <li>Perform research with deed descriptions.</li> <li>Resolve gap or overlap issues on adjoining properties creating a conflict in boundary determination.</li> </ul>
Boundary Surveys / Record of Survey	<ul style="list-style-type: none"> <li>Research and information gathering experience for boundary surveys.</li> <li>Familiar with available resources for analyzing property boundaries from the original General Land Office records to modern Washington State Plane Coordinate Systems.</li> </ul>
ALTA/NSPS Land Title Surveys	<ul style="list-style-type: none"> <li>Specialized, comprehensive maps typically requested by lending institutions as part of mortgage transactions for commercial and industrial properties.</li> <li>Accurately represent property boundary configuration, record easements, and interior and adjacent planimetry affecting the property.</li> <li>Variety of additional information may be depicted from an optional list provided in the standard ALTA/NSPS form.</li> </ul>
Legal Description / Easements / Parcels / Right-of-Way Acquisition	<ul style="list-style-type: none"> <li>Experienced in analyzing and preparing legal descriptions, easements, and related documents</li> <li>Routinely prepare corresponding exhibits for litigation, utility easements, bills-of-sale, and road maintenance agreements for new development.</li> </ul>
Global Positioning System (GPS)	<ul style="list-style-type: none"> <li>Proper use and implementation of GPS surveys can save a significant amount of time and cost.</li> <li>Provide an increased level of accuracy over large project areas.</li> <li>Utilize GPS surveying on nearly all projects to establish control on the Washington State Plane Coordinate System.</li> </ul>
Control Surveys	<ul style="list-style-type: none"> <li>Perform control surveys throughout the State of Washington and constrained these surveys to the parameters as defined by the local jurisdiction.</li> <li>Perform control surveys using the Washington State Plane Coordinate System horizontal datum and the North American Vertical Datum of 1988.</li> <li>Use of Global Positioning System (GPS) equipment is essential in establishing this horizontal and vertical datum to meet the local agency's accuracy requirements.</li> </ul>
Construction Staking	<ul style="list-style-type: none"> <li>Experience with a broad range of construction projects, ranging from utility and site improvement projects, municipal highway and infrastructure projects, high rise buildings, and large commercial site developments.</li> <li>Equipped with state-of-the-art equipment and software, and have the ability to serve as field liaison between field surveyors, superintendent personnel, and project owners to make the day-to-day operations run as smoothly as possible.</li> <li>Quality control program requires consistent daily reporting and documentation of all project activities, and routine supervision and review of calculations and construction plans for accuracy and completeness.</li> </ul>







## LEGISLATIVE CAMPUS MODERNIZATION

WASHINGTON STATE DEPARTMENT OF ENTERPRISE SERVICES  
MAJID JAMALI, PROJECT MANAGER  
OLYMPIA, WASHINGTON

KPFF provided surveying services, utility locates and CCTV sewer line investigation within the project area for the legislative campus modernization. Efforts included conducting a topographic and boundary survey for the development of an AutoCAD basemap for use by the design team. Field crews performed control on the Washington State Plane Coordinate System, and vertical control on NAVD 88. This control was consistent with record information and the City of Olympia basemaps.



## CAMPUS AERIAL IMAGERY

WASHINGTON STATE DEPARTMENT OF SOCIAL & HEALTH SERVICES  
ROBERT FOSSUM, PROJECT MANAGER  
MULTIPLE LOCATIONS, WASHINGTON

KPFF provided aerial imagery surveying services for multiple DSHS and BHA campus facilities. Deliverable consisted of an aerial image orthophoto of each campus site to scale and on the preferred Washington State Plane Coordinate system. Aerial images were integrated into an AutoCAD basemap for individual facility.

### Group A

- Western State Hospital
- Eastern State Hospital
- Child Study and Treatment Center
- Special Commitment Center
- King County Secure Community Transitional Facility
- Pierce County Secure Community

### Group B

- Fircrest School
- Lakeland Village
- Rainier School
- Yakima Valley School



## SOUTH SEATTLE COMMUNITY COLLEGE

WASHINGTON STATE DEPARTMENT OF ENTERPRISE SERVICES  
JONATHAN MARTIN, PROJECT MANAGER  
SEATTLE, WASHINGTON

KPFF provided surveying services and utility locates within the survey limits for the South Seattle Community College existing automotive building for expansion purposes. Efforts included conducting a topographic and boundary survey for the development of an AutoCAD basemap as outlined by the design team. Field crews performed control on the Washington State Plane Coordinate System, and vertical control on NAVD 88. Project scope of work was expanded to include surveying services for the north college parking lot, as well as conducting a drainage survey on the south side of campus.





## OLYMPIC REGION HEADQUARTERS

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
LACEY, WASHINGTON

KPFF was contracted with Graham Construction in the Design-Build delivery method for moving WSDOT's Olympic Region Maintenance and Administration Facility to new location in Lacey. The project includes nearly 1-mile of newly constructed City roadways, water, sewer and reclaimed water infrastructure, and stormwater design to support the 20-acre campus facility. Project is being designed to meet development guidelines permitted by the City of Lacey. Surveying service efforts in support of the design team included revision of WSDOT survey to City of Lacey datum while expanding on existing survey to meet design and construction needs. Topographic and boundary survey was conducted for the development of an AutoCAD basemap for use by design team. Field crews performed installation of new roadway monumentation. Final project tasks included post construction record of survey and As-built Drawings.



## INTERCITY TRANSIT PATTISON STATION

WASHINGTON STATE DEPARTMENT OF ENTERPRISE SERVICES  
JONATHAN MARTIN, PROJECT MANAGER  
LACEY, WASHINGTON

KPFF provided surveying services and utility locates for the Intercity Transit Pattison bus station MOA expansion project. Efforts included establishing control, performing a topographic and boundary survey for the development of an AutoCAD basemap for use by the design team.



## UTC AT 621 WOODLAND SQUARE DISTRICT

MJR DEVELOPMENT  
LACEY, WASHINGTON

KPFF provided surveying services for the redevelopment of the existing building and added 17,800-square-feet of new space located in Woodland Square Loop in Lacey. Efforts included conducting utility locates, topographic and boundary survey, and right-of-way for the development of an AutoCAD basemap to include onsite and offsite areas for used in engineering design.



## CONTACT

### LACEY

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Lacey, WA 98503  
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360.292.7230

### BOISE

### CHICAGO

### DES MOINES

### EUGENE

### IRVINE

### LONG BEACH

### LOS ANGELES

### LOUISVILLE

### NEW YORK

### PORTLAND

### SACRAMENTO

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